

Innovative Clean Air Technologies (ICAT) Grant Program

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Research Division
California Air Resources Board

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Function of ICAT

To promote:

- emission reductions
- ARB initiatives
- California economy

By: co-funding field demonstrations
of new, beneficial technologies

Basic Assumptions

Providing public funds for demos can enable or speed up the use of beneficial new technologies because:

- New technologies need practical demos to attract buyers and capital for commercialization.
- Funding for demos is short.

History

- 40 projects approved since 1994:
 - 20 complete
 - 11 in progress (or new)
 - 9 terminated
- Average grant: \$203,000

Average Funding Structure

(budgets, not actual expenses)

<u>Funder</u>	<u>\$1000</u>
ICAT	203
Grantee	~275
Other gov't	~65
Industry*	~130
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Total	~670

* cash + in-kind services

Eligibility: Technology

1. Must be a technical innovation that provides *any* of:
 - a new emission control
 - an increase in control capability
 - a new application of a control
 - a cost reduction of a useful control
- (“Control” includes prevention.)

Eligibility: Technology

2. Must be advanced in R&D but not yet commercial.
3. Must reduce criteria or toxic emissions in Calif. (GHG reductions are regarded as a secondary benefit.)
4. Must be marketable (e.g., cost competitive).

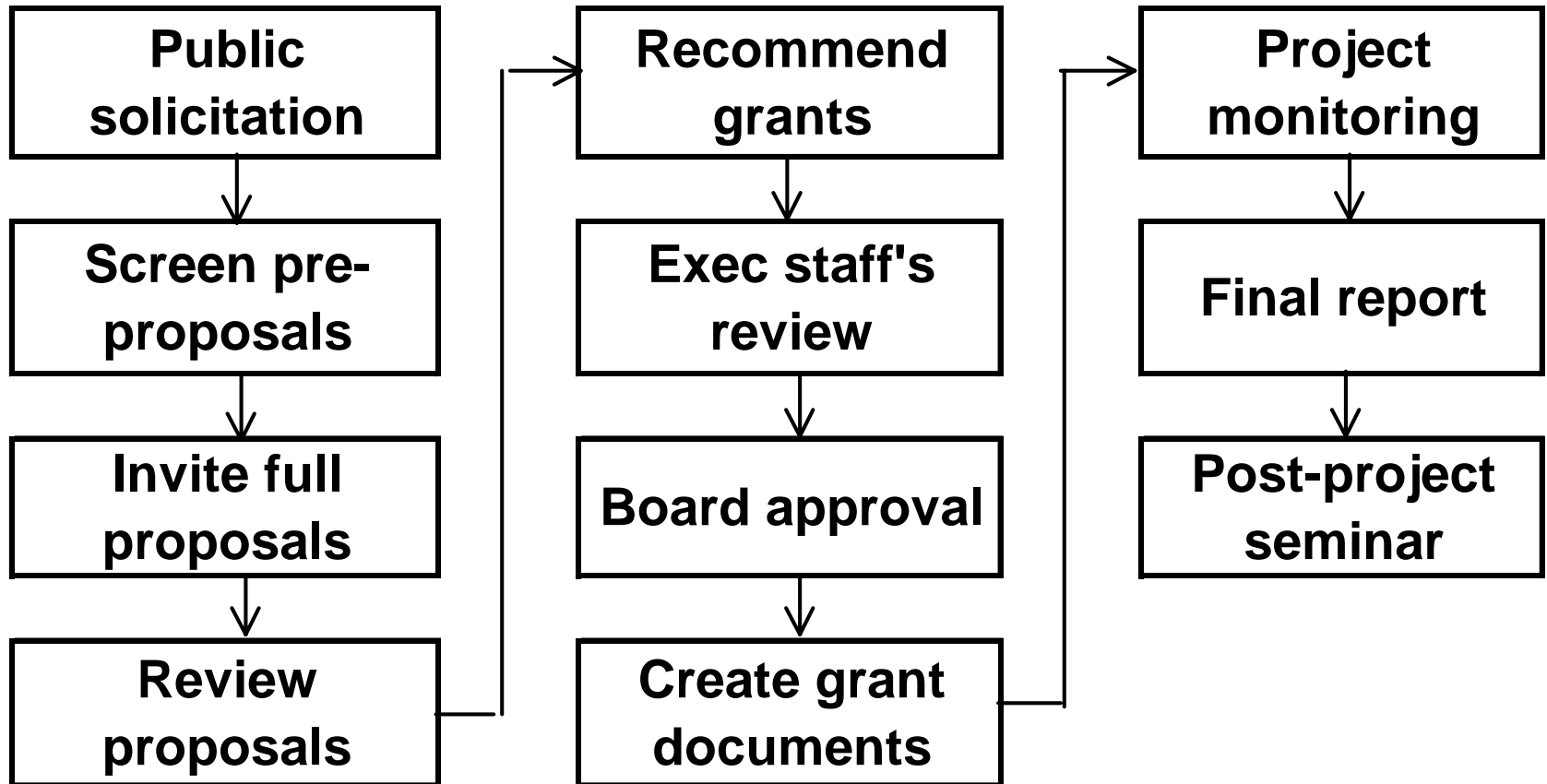
Eligibility: Applicant

5. Must have means to support half of the proposed project cost (including cash support of 10% of the budget).
6. Must have a plan to commercialize the technology.

Eligibility: Project

7. The proposed project must:
 - Culminate in a practical demonstration of interest to the potential market.
 - Have specific technical goals.
 - Consist of defined tasks.
8. The proposed ICAT grant cannot exceed half of the project's budget.

Overall Process



Selecting Grantees

Identify the best proposals, considering:

Stage of development

Potential AQ benefit

Utility to ARB & aqmds

Commercial potential

Quality of project

Co-funders & partners

Applicant's credentials

Economic benefit to CA

Amount requested

Grantee's Responsibilities

- Kick-off meeting in California
- Quarterly progress reports
- Host site visits, if requested
- Final report (public document)
- Post-project seminar in California

Payments

- Only upon reaching pre-set milestones
- Only per a budget organized by task & type of expense
- ARB can terminate a grant for non-performance.
- Cumulative ICAT \$\$ \leq 1/2 of project expenses

To Learn More

www.arb.ca.gov/research/icat/icat.htm

- Specifics of application
- Program criteria
- Contacts
- Mailing lists
- List of grants; project descriptions

Help!

- ICAT always needs to outreach.
- We want lists of e-mail addresses of potentially interested parties.

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